SEQUENCE LISTING

#5

(1) GENERAL INFORMATION:

    (i) APPLICANT: Lesley J. Murray
                   Judy C. Young

   (ii) TITLE OF INVENTION: Methods for use of mpl ligands
                            with primitive human stem cells.

  (iii) NUMBER OF SEQUENCES: 6

   (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: Fish & Richardson
        (B) STREET: 2200 Sand Hill Road, Suite 100
        (C) CITY: Menlo Park
        (D) STATE: California
        (E) COUNTRY: USA
        (F) ZIP: 94025

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: AscIII

   (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER: 08/550,167
        (B) FILING DATE: October 30, 1995
        (C) CLASSIFICATION:

 (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Pamela Sherwood
        (B) REGISTRATION NUMBER: 36,677
        (C) REFERENCE/DOCKET NUMBER: 07532/003001

   (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (415) 322-5070
        (B) TELEFAX: (415) 854-0875

(2) INFORMATION FOR SEQ ID NO:1:
     (i) SEQUENCE CHARACTERISTICS:
         (A) LENGTH: 42 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear
    (ii) MOLECULE TYPE: cDNA
    (ix) FEATURE:
         (A) NAME/KEY: Inosine
         (B) LOCATION: Positions 30, 31, 33
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GCTATTGCGG CCGCGAATTC GGARGAYYTN NNNTGYTTYT GG   42

(2) INFORMATION FOR SEQ ID NO:2:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 38 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
     (ii) MOLECULE TYPE: cDNA
     (ix) FEATURE:
          (A) NAME/KEY: Inosine
          (B) LOCATION: Positions 24, 33, 34, 35
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GCTATTCTCG AGATCGATSW CCANTCRCTC CANNNNCC   38

(2) INFORMATION FOR SEQ ID NO:3:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 38 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
     (ii) MOLECULE TYPE: cDNA
     (ix) FEATURE:
          (A) NAME/KEY: Inosine
          (B) LOCATION: Positions 24, 26, 33, 34, 35
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GCTATTCTCG AGATCGATSW CCANNNRCTC CANNNNCC   38

(2) INFORMATION FOR SEQ ID NO:4:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 20 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
     (ii) MOLECULE TYPE: cDNA
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CGCTGCACCT CTGGGTGAAG   20

(2) INFORMATION FOR SEQ ID NO:5:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 21 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
     (ii) MOLECULE TYPE: cDNA
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

AGCAGGGCAG CAGGTTTCTG T   21

(2) INFORMATION FOR SEQ ID NO:6:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 21 base pairs
          (B) TYPE: nucleic acid

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        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear
  (ii) MOLECULE TYPE: cDNA
  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCTGCGCAGC TGCAGCCAGT A_                          21
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